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directions.

## *MICHIGAN ADOPTS THREE (3) NEW MERCURY BILLS*

On December 28, 2006, Governor Jennifer M. Granholm signed three new mercury reduction bills into law. The bills were filed with the Secretary of State and were effective on December 29, 2006.

The mercury bills are:

- PA 493 of 2006 (formerly SB 123) prohibits the sale of mercury-added blood pressure devices by January 1, 2008 and their 'use' by January 1, 2009, but for two exceptions; in home use and use for calibration of mercury-free devices in health care facilities (if deemed warranted.)
- PA 492 of 2006 (formerly SB 124) bans the sale of thermostats that contain mercury or a mercury compound beginning January 1, 2009. It does not apply if the thermostat is a "replacement" for an existing thermostat containing mercury or a mercury compound that is a component of an "appliance". The full definition for "appliance" is defined in PA 494, however "appliance," does not pertain to a home heating or central air-conditioning system.
- PA 494 of 2006 (formerly SB 186) bans the sale of esophageal dilators, bougie tubes and gastrointestinal tubes (used in medical procedures) that contain mercury or mercury-compounds beginning January 1, 2009.

To obtain more information about these or other Michigan mercury legislation; contact: Steve Kratzer, Mercury Pollution Prevention and Policy Specialist at: [kratzers@michigan.gov](mailto:kratzers@michigan.gov) or 517-373-0939.

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### ***MICHIGAN ENERGY OFFICE ISSUES REQUEST FOR PROPOSAL***

The Michigan Energy Office, Department of Labor & Economic Growth, has issued a Request for Proposals (RFP) to provide \$24,500 in funding for Michigan communities to develop local markets and the infrastructure for alternative fuels and alternative fuel vehicles (AFVs) through the Clean Cities Program. The Clean Cities Program offers guidelines for planning, technical assistance and access to financial resources for demonstrating alternative fuels and AFV benefits. One grant is available to defray a portion of the administrative expense of developing a Clean Cities designation application. Contact **Tim Shireman** at 517-241-6281 or E-mail [tashire@michigan.gov](mailto:tashire@michigan.gov) to obtain a copy of the RFP. Proposals are due by 5:00 p.m. on April 30, 2007.

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### ***RETAP: 83 ASSESSMENTS, \$4.9 MILLION IN SAVINGS!***

The Retired Engineer Technical Assistance Program (RETAP) provides free, confidential, onsite pollution prevention and energy efficiency assessments to businesses (with less than 500 employees in Michigan) and institutions of any size. A written report containing specific recommendations to save money, reduce energy usage, and eliminate waste generation is provided to the assessed facility within 60 days of the assessment. Each report includes waste reduction and cost savings estimates of significant recommendations identified during the assessment.

In calendar year 2006, RETAP completed 83 assessments at a broad range of manufacturing facilities and other business, such as bakeries, greenhouses, hotels, print shops, and hospitals. The total estimated annual waste reduction and cost savings of the significant recommendations from these 83 assessments are as follows:

<u>Reductions</u>	<u>Amounts</u>
Operating Costs:	4.9 million dollars
Waste Disposal:	2.5 million pounds
Water Usage:	39.9 million gallons
Electricity Usage:	23.8 million kWh
Natural Gas Usage:	1.0 million CCF

To date, RETAP has conducted over 1100 assessments, with the capacity to assess 125 facilities per year. For each assessment, the RETAP assembles a team of retired engineers appropriate for the operations of the facility to be assessed. Currently, 51 retired engineers participate in the RETAP, each having 30–40 years of professional experience.

For additional information or to request a RETAP assessment, please contact **David Herb**, DEQ, Environmental Science and Services Division, at 517-241-8176 or by E-mail at [herbdw@michigan.gov](mailto:herbdw@michigan.gov).

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### ***UNITED NATIONS RECOGNIZES GRAND RAPIDS FOR COMMUNITY SUSTAINABILITY***

The United Nations University ([www.unu.edu](http://www.unu.edu)) has selected the City of Grand Rapids as a “Regional Centre of Expertise” on Education for Sustainable Development, after reviewing the activities of city’s Community Sustainability Partnership. Grand Rapids is the only city in the nation to receive this distinction, and is one of only thirty cities throughout the world. Regional Centre of Expertise

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communities are practicing integrated decision-making through the use of collaborations and partnerships, and work together to promote sustainable development practices across the entire community. Regional Centre of Expertise communities work to become economically efficient, socially equitable and responsible, and environmentally sound by application of “triple bottom line” principles during strategic decision-making activities. Grand Rapids has established, strong partnerships, with surrounding local governments, businesses, public schools, and area universities. This fundamental community characteristic found in West Michigan provided the initial foundation for receiving this important designation.

The sustainability efforts of the Grand Rapids and the greater Grand Rapids area are reflected in several of the area’s accomplishments including:

- The first Sustainable Business Forum in Michigan ([www.wmsbf.org](http://www.wmsbf.org)).
- Michigan’s first city committed to sustainability reporting and measurement, and listed in the top 25 cities nation-wide in Dr. Kent Portney’s book, “Sustainable Cities.”
- The only Michigan City to officially designate a Sustainability Manager in their Executive Offices.
- The first [Community Sustainable Partnership](#). Members are committed to work together to restore environmental integrity, improve economic prosperity, and promote social equity.
- The Nation’s first undergraduate degree in sustainable business (Aquinas College).
- Many area hospitals are mercury-free.
- [Grand Rapids given the Outstanding Public Transportation System Award](#).
- The most Clean Corporate Citizens (C3) of any city in the state, including the first C3 healthcare facility (Metro Health). These businesses have environmental goals that protect community health and the environment, such as:
  - Increase recycling and reuse to eliminate landfill waste;
  - Eliminate polyvinyl chloride from products by 2012; and
  - Reduce carbon emissions by 20 percent by 2012.
- The area is also the home of the Green Suppliers Network. This project aims to transform area small and medium businesses into more efficient and competitive businesses using innovative technologies.
- Michigan’s first nationally certified biosolids Environmental Management System program.

The greater Grand Rapids area has also been called the “Green Building Capital” of the nation. Green buildings are closely aligned with community sustainability efforts. They are typically energy and resource efficient, and consider community impacts and occupant health. Green buildings are certified under the U.S. Green Building Council (USGBC), Leadership in Energy and Environmental Design (LEED) program. Grand Rapids is the home to several founding partners of the USGBC, and has many green building achievements:

- Michigan’s first USGBC chapter.
- The second largest concentration of LEED buildings in the nation (Portland, Oregon is first).
- The home of Green Built Michigan ([www.greenbuiltmichigan.org](http://www.greenbuiltmichigan.org)), the standard for building green homes.
- Michigan’s first city to require all city government construction to comply with LEED building standards.
- Michigan’s first LEED Girl Scout Camp – Camp Anna Behrens.
- Michigan’s first LEED municipal building – Water and Environmental Services Facility.
- Michigan’s first LEED certified public transportation facility.
- Nation’s first LEED certified church – Keystone Community Church.
- Nation’s first LEED certified K-12 school – Goodwillie.
- Nation’s first LEED Manufacturing Plant – Steelcase Wood Furniture Manufacturing Plant.

- Nation's first LEED Young Men's Christian Association – David D. Hunting YMCA.
- Nation's first Double Gold LEED building – East Hills Center, West Michigan Environmental Action Council.
- Nation's first LEED certified residential affordable housing – Habitat for Humanity.

All of this probably contributes to why Grand Rapids, Michigan was chosen as one of the nations most livable communities in 2004. Every Michigan resident has reason to be proud of the Grand Rapids' achievements. It is also why great achievements are likely to be seen in the area, well into the future.

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### ***RECYCLING MEETINGS IN SOUTHEAST MICHIGAN***

***May 14-18, 2007***

Michigan Recycling Coalition (MRC) Annual Conference, Sheraton-Detroit, Novi, Michigan. This 25th annual state recycling conference will include exhibits where DEQ information will be available. Recyclers from the Great Lakes will converge to share information and gain insight to current recycling trends. Sessions will cover everything from improving participation to composting to the state of recycling markets. Keynote speakers are Dr. Susan Selke, Professor in the School of Packaging at Michigan State University, and Danielle Conroyd, Project Director for the Monroe Campus Long Range Master Plan. Dr. Selke will discuss the overabundance of packaging on products in the United States and solutions to this ever-increasing problem. Ms. Conroyd will provide insight into the building process of the new sustainable 376,000 square-foot Immaculate Heart of Mary Motherhouse in Monroe, Michigan. This multimillion dollar project was based on the idea to "recycle" the building, instead of demolishing and building new, saving valuable environmental resources and energy. For more information, go to the MRC website at [www.michiganrecycles.org](http://www.michiganrecycles.org).

The conference is sandwiched between two Midwest recycling meetings taking place in southeast Michigan. Monday and Tuesday, May 14 and 15, the Mid-America Council of Recycling Officials (MACRO) will be meeting in Ann Arbor. MACRO focuses its efforts on expanding markets for recyclable materials. On Thursday and Friday that same week, recycling coordinators from approximately 50 mid-size cities in the Mid-west will be meeting for an Urban Recycling Forum. The Forum is an opportunity for coordinators to share information about trends in urban recycling. For information about these two meetings, contact Jacob Hassan, U.S. EPA Region 5, 312-886-6864 or [hassan.jacob@epa.gov](mailto:hassan.jacob@epa.gov).

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### ***SAYING GOODBYE TO YOUR OLD BLUE LICENSE PLATE CAN BE GREEN***

On January 1, 2007, the Secretary of State began retiring and replacing Michigan's standard blue license plates. With approximately 5.6 million blue license plates currently in circulation, the Michigan Department of Environmental Quality (MDEQ) is encouraging motorists to recycle their old license plates rather than throw them away.

There are several options for Michigan residents to recycle these license plates. Many curbside recycling programs around the state already take scrap metal or have made arrangements to pickup license plates. Interested parties can check with their local recycling program to find out if their license plate can be placed in the recycling bin or taken to a local recycling drop-off location. To find a local recycling contact, please visit [www.michigan.gov/deqreswastecontacts](http://www.michigan.gov/deqreswastecontacts).

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If a local recycling program does not accept license plates, motorists can look for a scrap metal recycler in their community that will accept license plates. License plates may also be reused in a variety of ways with artists and crafters around the state often setting up collection points to use the license plates in their work.

Before recycling a license plate, it should be destroyed by cutting it in half or bending off a corner to discourage theft and fraud.

In addition to the 5.6 million blue license plates that will be replaced this year, approximately 8,000 state-owned license plates will also be replaced. The Michigan Department of Management and Budget already has a process in place to make sure these state license plates will be recycled.

Michigan's license plates are made of either steel or aluminum. Recycling all 5.6 million blue license plates will likely:

- Save enough energy to power 875 typical households for a year.
- Reduce air emissions by 2,192 tons.
- Save 583 tons of iron ore.
- Save 327 tons of coal.
- Save 28 tons of limestone.

For additional information, please visit the MDEQ recycling web site at [www.michigan.gov/deqrecycling](http://www.michigan.gov/deqrecycling) (Click on "New Recycling Opportunity: Michigan License Plates are Recyclable") or call the MDEQ Environmental Assistance Center at 800-662-9278.

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### ***EMERGING GREEN BUILDINGS 2007 NATURAL TALENT DESIGN COMPETITION***

The West Michigan Chapter of the U.S. Green Building Council is launching the first Emerging Green Builders – Natural Talent Design Competition in the State of Michigan. Seven Universities are fielding 15 design teams, and two individuals in the Young Professionals category will submit designs to meet LEED Existing Building (EB) criteria on a project identified in Grand Rapids.

Comp Renew Environmental located at 629 Ionia St., Grand Rapids has been chosen for a LEED-EB design project for the 2007 Emerging Green Builders Design Competition. The competition will provide an opportunity for college students to gain experience in sustainable design, and will help elevate public awareness of green building practices. Comp Renew Environmental is a nonprofit organization that uses the business of electronic waste recycling to provide unique educational opportunities to high school students. By combining real-life work experiences, hands-on training, and instruction in environmental practices, this educational enterprise seeks to strengthen the community and provide future leaders in sustainable business. This organization was chosen for the purpose of being able to launch a community-based organization into the spotlight of environmental protection, career development and training.

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Participating design teams hail from the following Michigan universities:

- Andrews University
- Kendall College of Art and Design
- Ferris State University
- Grand Valley State University
- Lawrence Tech
- Michigan Tech
- University of Michigan

Young Professionals are from:

- Design Plus
- RHG Design



*Students in Training- Comp Renew  
Environmental*

Rick Fedrizzi, President of the USGBC will be visiting West Michigan on April 24, 2007 to speak at a local luncheon for community officials and sponsors. He will also be present at the evening gala event to present the 2007 Emerging Green Builders-Natural Talent awards to the winning entries.

The winning design and team will participate in the National Competition at the U.S. Green Building Council Green Build Conference in Chicago in November 2007.

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### ***MICHIGAN BUSINESS: SURVIVE OR THRIVE? REVITALIZING MICHIGAN THROUGH SUSTAINABLE BUSINESS INNOVATION***

2007 Michigan Sustainable Business Forum Statewide Conference

When: Wednesday, April 25, 2007 8:30 – 5:00  
Where: Hannah Center, 819 Abbot Road, East Lansing, Michigan  
Cost: \$125 per person  
Register: [www.smsbf.org](http://www.smsbf.org)

Join forward-thinking Michigan CEOs and executive managers in a moderated dialogue and strategy session designed to:

- catalyze internal company efforts
- help retain and attract the best talent
- create the foundation for a new model for sustainable businesses in Michigan
- create incentives to reduce your company's environmental footprint
- determine what support is needed from government, nonprofits, academia to promote sustainability

Panel includes: Bob Stempel – ECD Ovonic, Fred Keller – Cascade Engineering, Jim Croce – NextEnergy, Don Goeman – Herman Miller and many others

Speakers: Rick Fedrizzi – President, US Green Building Council, Michigan Governor Jennifer Granholm (invited)

Hosted by the regional Sustainable Business Forums throughout the State of Michigan

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### ***MDA APPROVES ANHYDROUS AMMONIA SAFETY AND SECURITY PRACTICES (AASSPs)***

The Michigan Department of Agriculture (MDA) recently announced they will be posting their Anhydrous Ammonia Safety and Security Practices (AASSPs) on their Anhydrous Ammonia website at [www.michigan.gov/mda/0,1607,7-125-1565-49349--,00.html](http://www.michigan.gov/mda/0,1607,7-125-1565-49349--,00.html). Contact MDA at 517-241-2979 with questions. The MDA website also provides links to anhydrous ammonia requirements overseen by several agencies, including the DEQ Air Quality Division, Department of Labor and Economic Growth, and Michigan State Police Motor Carrier Division.

The AASSPs are voluntary recommendations addressing the storage and handling practices of agricultural use of anhydrous ammonia. These practices were developed in response to the Anhydrous Ammonia Security Act, [Public Act 417 of 2006](#). Anhydrous ammonia is a key ingredient in the illegal production of the drug methamphetamine. The wrongful use of anhydrous ammonia is of great concern since it is widely used as a low-cost form of nitrogen fertilizer which is directly applied to farmland and used to make other types of fertilizers.

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### ***MICHIGAN RCRA DATA ON EPA WEB TO BE UPDATED SUMMER 2007***

Please be aware that data for Michigan Resource Conservation and Recovery Act (RCRA) facilities, specifically regarding hazardous waste and used oil, is not current for compliance and enforcement data on EPA's Enforcement and Compliance History Online (ECHO) web site at [www.epa.gov/echo](http://www.epa.gov/echo).

Due to changes by EPA in the data translation procedures, MDEQ has not translated the compliance and enforcement data since May 5, 2006, while the translation program is re-written. It is anticipated this will be corrected by early summer 2007. Also, any corrections made to the MDEQ database will not be displayed on ECHO before that time. However, handler (site) data is translated monthly from MDEQ into the EPA national program database, RCRA Information, which then populates ECHO. Visitors to the web site may want to click on the "Data Alerts" button and the "Data Problems" link for additional EPA information when looking at facility data.

In the meantime, evaluations, violation, and compliance action data, along with other facility waste information, can be viewed on the MDEQ Waste Data System (WDS) at [www.deq.state.mi.us/WDSPI/](http://www.deq.state.mi.us/WDSPI/).

If there are questions about information posted on the MDEQ WDS, please contact the Waste and Hazardous Materials Division [district office](#) which oversees the area where the facility is located.

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### ***EPA PROPOSED RECYCLING RULE FOR SOLVENTS, METALS AND SOME OTHER CHEMICALS***

On March 16, the U.S. Environmental Protection Agency (EPA) announced a new proposal restructuring the 2003 Definition of Solid Waste proposal. The new proposal streamlines regulation of hazardous secondary materials to encourage beneficial recycling and help conserve resources. The proposed rule would provide for the recycling of such materials as solvents, metals, and certain other chemicals.

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The proposed rule provides exclusions for:

- materials that are generated and reclaimed under the control of the generator;
- materials that are generated and transferred to another person or company for reclamation under specific conditions; and
- materials that EPA deems nonwaste through a case-by-case petition process.

EPA has provided information about the proposed rule including an unofficial prepublication copy at [epa.gov/epaoswer/hazwaste/dsw/abr.htm](http://epa.gov/epaoswer/hazwaste/dsw/abr.htm). This document has not been published in the Federal Register and is not an official version of the final rule. The official rule will be available on this web site as soon as it is published by the Federal Register Office.

Once it is published in the Federal Register, EPA will be accepting comment on this proposal for 60 days following publication. Go to [www.regulations.gov/fdmspublic/component/main](http://www.regulations.gov/fdmspublic/component/main) and search for docket number EPA-HQ-RCRA-2002-0031.

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### ***COMPLIANCE ASSISTANCE CORNER: Limiting Air Contaminants from Consumer Products***

#### **What is Michigan's Consumer Products Rule?**

The Michigan Consumer Products Rule (CPR) prohibits the distribution, sale or offering for sale of consumer products manufactured on or after January 29, 2007, whose volatile organic compound (VOC) content exceeds specific thresholds identified in the CPR. The rule applies to the distribution, sale or offering for sale of consumer products used in households and institutions within the state of Michigan. Those consumer products range from deodorants to aerosol paints. The reduction of VOC in consumer products will be done through product reformulation.

*Compliance assistance staff are experienced department personnel in ESSD that specialize in another environmental program division. Staff provide one-on-one and referral assistance on calls received by the Environmental Assistance Center. If you have any environmental question on which you need assistance, call 1-800-662-9278*

The Michigan CPR adopts the March 6, 2001 [Ozone Transport Commission's \(OTC's\) "Model Rule for Consumer Products,"](#) (OTC Rule) with just a few exceptions (go to [www.otcair.org](http://www.otcair.org) and select "Stationary/Area Sources" from the TOPIC drop down menu).

The Michigan CPR is found in Rule 660 of the [Michigan Air Pollution Control Rules](#).

#### **What is the Ozone Transport Commission and its Model Rule for Consumer Products?**

The OTC is a multi-state organization created under the [Clean Air Act \(CAA\) amendments of 1990](#). The OTC is responsible for advising the [U. S. Environmental Protection Agency](#) (USEPA) on transport issues and for developing and implementing regional solutions to the ground-level ozone problem in the Northeast and Mid-Atlantic regions of the United States. The OTC member states are Connecticut, Delaware, the District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and Virginia.

The OTC modeled their rule from USEPA's ["National Volatile Organic Compound Emission Standards for Consumer Products"](#) (September 11, 1998)."

#### **What are the health and environmental benefits from Michigan's Consumer Products Rule?**

The Michigan CPR will reduce the release of smog-causing volatile organic compounds (VOCs). VOCs lead to the formation of ground level ozone, an air pollutant that triggers a variety of health

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problems including aggravated asthma, reduced lung capacity, and increased susceptibility to respiratory illnesses like pneumonia and bronchitis. It is expected that the Michigan CPR will reduce total VOC emissions by over 5,900 tons per year, which will help Michigan achieve attainment status for ground level concentrations of ozone.

**When did Michigan's Consumer Products Rule go into effect and who is subject?**

The Michigan CPR became effective as of January 29, 2007. All consumer products manufactured on or after January 29, 2007, for sale in Michigan must be in compliance with the CPR.

Any noncompliant consumer products that were manufactured before January 29, 2007, may continue to be supplied, offered for sale and sold in Michigan.

The Michigan Consumer Products Rule (CPR) applies not only to the manufacturers of consumer products but to the distributors, suppliers, and retailers of consumer products.

If the consumer product is manufactured in Michigan but is shipped out of the state for sale, then it is not regulated under the Michigan CPR. However, other states have similar regulations. "Manufacturer," "distributor," and "retailer" are defined in Section 2 of the [OTC Rule](#).

**What is a Consumer Product and what is a VOC?**

"Consumer product" is defined as a chemically formulated product used by households and institutions including, but not limited to, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. The product types listed in this definition are just examples; it is not an exhaustive list.

The definitions for "consumer," "consumer product," "household product," "institutional product" and many of the other terms used in the paragraph above are defined in Section 2 of the [OTC Rule](#).

A VOC is any compound that contains carbon and participates in atmospheric (smog forming) reactions. Refer to [Rule 661](#) of the Michigan Air Pollution Control Rules for a listing of the compounds excluded from the definition of VOC.

Consumer products might be formulated with VOCs, or might contain fragrances, color additives, blowing agents, or propellants that contain VOCs.

Manufacturers provide the VOC content of their products on Material Safety Data Sheets (MSDS) and Certified Product Data Sheets. These sheets may be provided with shipping documents or may be available from the manufacturer upon request. Many consumer products have the VOC content information printed on the product label.

**How are consumers affected by the Consumer Products Rule?**

The consumer or end-user of a consumer product is not subject to the requirements of the CPR as long as they do not repackage and/or re-sell the product. Consumers may find that some of the products that they normally buy are not available or are only available as a reformulated product.

**Is the Michigan Consumer Products Rule being amended?**

Yes, an amendment to the Michigan CPR is currently in development. This amendment will adopt the Ozone Transport Commission's (OTC) September 13, 2006, [Model Rule for Consumer Products](#). Therefore, when the amendment is passed by the Michigan Legislature (expected in the fall of 2007), the current Michigan CPR will change.

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**Who should I contact for additional information?**

For general questions concerning the Michigan CPR, contact the Clean Air Assistance Program at 800-662-9278 or E-mail [DEQ-EAD-Env-Assist@michigan.gov](mailto:DEQ-EAD-Env-Assist@michigan.gov).

For technical questions concerning the applicability of certain consumer products and requests for waivers, variances, and other alternative standards, contact Asad Khan, Air Quality Division, at 517-335-6825 or by E-mail at [khana@michigan.gov](mailto:khana@michigan.gov).

For a copy of the Michigan CPR (Rules 660-661 and/or Frequently Asked Questions document) or the OTC Model Rule for Consumer Products, go to [www.michigan.gov/deqair](http://www.michigan.gov/deqair). Click on "Clean Air Assistance" and scroll down to Consumer Products Rule.

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***CLEAN CORPORATE CITIZEN PROGRAM REACHES NEW MILESTONES***

It's an exciting time for Michigan's Clean Corporate Citizen (C3) Program as we celebrate our ten-year anniversary of recognizing top environmental performers in Michigan. Two C3s are being recognized for ten consecutive years of participation: the DaimlerChrysler - Sterling Heights Assembly Plant, and the Ford Motor Company - Van Dyke Plant. It is companies like this that exemplify the vision of the program since its inception back in 1997 and help make C3 one of the premier environmental performance programs in the nation. These establishments not only designed and implemented successful Environmental Management Systems, Pollution Prevention Programs, and achieved excellent environmental compliance, but they continue to set and meet new environmental goals each year.

The C3 program has 129 active members at present and welcomed the following 18 new C3s since August 2006 including our first university: Michigan State University's National Superconducting Cyclotron Laboratory.

- Detroit Diesel Corporation, Axle Alliance Company, Detroit - Wayne County, Designated C3 on August 9, 2006
  - United States Army Garrison-Michigan, Warren - Macomb County, Designated C3 on August 21, 2006
  - Consumers Energy Karn/Weadock, Essexville - Bay County, Designated C3 on August 30, 2006
  - Herman Miller, Inc. 171st Avenue Operations, Spring Lake - Ottawa County, Designated C3 on September 6, 2006
  - Herman Miller, Inc. Hickory Operations, Spring Lake - Ottawa County, Designated C3 on September 6, 2006
  - Herman Miller, Inc. Midwest Distribution Center, Holland - Ottawa County, Designated C3 on September 6, 2006
  - Herman Miller, Inc. Van Wagner Operations, Spring Lake - Ottawa County, Designated C3 on September 6, 2006
  - Herman Miller, Inc. Main Site, Zeeland - Ottawa County, Designated C3 on September 6, 2006
  - Subaru Research and Development, Inc., Ann Arbor - Washtenaw County, Designated C3 on September 20, 2006
  - Ventura Manufacturing, Zeeland - Ottawa County, Designated C3 on September 20, 2006
  - General Motors-Pontiac Assembly Center, Pontiac - Oakland County, Designated C3 on September 21, 2006
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- Flexible Products Company, Auburn Hills - Oakland County,
- Designated C3 on October 6, 2006
- Consumers Energy B.C. Cobb Electric Generating Plant, Muskegon - Muskegon County, Designated C3 on November 1, 2006
- MACSTEEL Monroe, Inc., Monroe - Monroe County,
- Designated C3 on November 8, 2006
- Department of Defense - 110th Fighter Wing, Battle Creek - Calhoun County,
- Designated C3 on December 15, 2006
- Michigan State University National Superconducting Cyclotron Laboratory, East Lansing - Ingham County, Designated C3 on January 26, 2007
- Rumble Trucking and Logistics, Inc., Port Sanilac - Sanilac County,
- Designated C3 on January 26, 2007
- Detroit Edison River Rouge Power Plant, River Rouge - Wayne County, Designated C3 on March 9, 2007

While practicing our own continual improvement process, the C3 program has experienced some changes on the administrative side. The new C3 rules went into effect on December 1, 2006, to strengthen and clarify the overall criteria for participation in the program. The annual renewal certification has been changed to every two or three years depending ISO 14001 certification and includes applicable federal environmental requirements into the compliance criteria. For a complete set of the new C3 administrative rules, please see: [www.michigan.gov/deqc3](http://www.michigan.gov/deqc3).

Additionally, Project Manager Valerie Haan has retired from state employment. Valerie was instrumental in the growth and development of the C3 program since its early stages and will be missed. The position has been filled by Eric Pocan, formerly with MDEQ's Remediation and Redevelopment Division. Eric will be a great addition to the C3 Program staff.

For more information on gaining recognition for your facility's environmental management and pollution prevention activities, contact Kelie Bond at 517-241-7969 ([bondk@michigan.gov](mailto:bondk@michigan.gov)) or Eric Pocan at 517-241-0231 ([pocane@michigan.gov](mailto:pocane@michigan.gov)) or visit the website [www.michigan.gov/deqc3](http://www.michigan.gov/deqc3).

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## EVENTS

### APRIL – JUNE 2007

#### MEECS (MICHIGAN ENVIRONMENTAL EDUCATION CURRICULUM SUPPORT) TRAINING WORKSHOPS, VARIOUS LOCATIONS, MICHIGAN.

The Michigan Department of Environmental Quality is pleased to announce that Michigan is among only a handful of states to create its own environmental education curriculum, known as the MEECS. This project is designed to provide students in grades four through nine with an opportunity to learn about their environment through five different curriculum units: Air Quality, Ecosystems & Biodiversity, Energy Resources, Land Use, and Water Quality. Over 190 teacher trainings have been conducted; more workshops will continue to be scheduled. A full brochure with workshop dates, times, and locations is available on the Web at [www.michigan.gov/deq-meecs](http://www.michigan.gov/deq-meecs). Please check for updates on the MEECS website as more workshops are scheduled.

Registration fee: low cost/no cost (varies by location.)

Registration information: varies by location; see Web brochure.

Information contact: Thomas Occhipinti, Executive Division, 517-373-2379, or E-mail at [occhipit@michigan.gov](mailto:occhipit@michigan.gov).

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<u>Date</u>	<u>Topic</u>	<u>Location</u>
4/21/0	Air	Wittenbach/Wege Agri-Science and Environmental Center, Lowell
4/21/07	Ecosystems	Wittenbach/Wege Agri-Science and Environmental Center, Lowell
4/21/07	Water	Wittenbach/Wege Agri-Science and Environmental Center, Lowell
6/18/07	Ecosystems	SVSU Regional M/S Center, University Center
6/19/07	Land	SVSU Regional M/S Center, University Center
6/20/07	Water	SVSU Regional M/S Center, University Center
6/21/07	Energy	SVSU Regional M/S Center, University Center
6/22/07	Air	SVSU Regional M/S Center, University Center

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**APRIL 24, 2007**

7:30 – 9:00 a.m.

**2007 SUSTAINABLE BUSINESS SHERPA SERIES – CULTURE CHANGE BARRIERS, AQUINAS COLLEGE, GRAND RAPIDS, MICHIGAN.** Are you a busy working professional looking to learn more about sustainable business principles and applications? The Sustainable Business Sherpa Series may help you on your journey to sustainability. This series, co-sponsored by DEQ, offers an introduction to sustainable business, insights into social capital, and practical approaches toward incorporating value-producing sustainability practices into your organization. So just what can you expect along the way as you strive to move your organization along in its journey toward sustainability? To frame this topic, Aquinas College anthropology professor Dr. Deb Wickering will share engaging stories about successful change strategies employed by groups throughout the world. Bill Stough, from the Sustainable Research Group, will then share specifics on how to build the case for sustainability efforts in your organization. Do you see yourself as a sustainability change agent or champion? What barriers can you expect to encounter as you build the case for sustainability? How might you meet those challenges as you foster an organizational culture that embraces the principles and practices of sustainability? You will leave the workshop with basic tools and insights that can transform your business. Space is limited to 20 attendees, so make your reservation early! For more information and registration, go to [www.centerforsustainability.org](http://www.centerforsustainability.org).

**APRIL 25, 2007**

**FEDERAL FACILITIES ENVIRONMENTAL WORKSHOP, NEXTENERGY CENTER, DETROIT.** The workshop will feature staff from the Michigan Department of Environmental Quality, U.S. Environmental Protection Agency Region 5, and the Department of Defense who will present a variety of topics relating to alternative and renewable energy, including energy efficiency and biofuels. This workshop is recommended for environmental staff of Department of Defense facilities in Michigan and the Great Lakes region who have an interest in energy-related issues pertaining to Executive Order 13123, “Greening the Government through Efficient Energy Management”. Department of Defense contractors, energy suppliers, manufacturers, and vendors, as well as other federal facility staff will benefit from this workshop and are encouraged to attend. A full brochure and online registration are available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on “Upcoming DEQ Workshops.”

Registration fee is \$55. A vendor area will feature exhibitors who manufacture or distribute renewable energy systems.

Workshop Information Contact: **Steve Kulesia**, Environmental Science and Services Division, 517-373-3109, or E-mail at [kulesias@michigan.gov](mailto:kulesias@michigan.gov).

Registration Information: **Environmental Assistance Center**, 800-662-9278, or E-mail at [deq-ead-env-assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov).

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## APRIL 25, 2007

2007 MICHIGAN SUSTAINABLE BUSINESS FORUM STATEWIDE CONFERENCE: REVITALIZING MICHIGAN THROUGH SUSTAINABLE BUSINESS INNOVATIONS, HANNAH COMMUNITY CENTER, EAST LANSING. This one-day conference will bring Michigan CEO's and executive management representatives together with members from the five regional sustainable business forums to identify opportunities to accelerate development of a state sustainable business strategy. A full brochure and online registration are available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on "Upcoming DEQ Workshops."

Registration fee: \$125.

Registration Information: Environmental Assistance Center, 800-662-9278, or E-mail at [deq-ead-env-assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov).

Workshop Information Contact: Laura Rauwerda, Environmental Science and Services Division, 616-356-0034, or E-mail at [rauwerdl@michigan.gov](mailto:rauwerdl@michigan.gov).

## MAY 1, 2007

8:00 a.m. – 4:30 p.m.

DATA QUALITY IN THE MODERN ANALYTICAL LABORATORY, EAGLE EYE BANQUET FACILITY, EAST LANSING, MICHIGAN. This annual workshop series is co-sponsored by MDEQ, MELA, AWA, and MWEA. The workshop will feature Dr. Roy Keith-Smith as the keynote speaker, author of numerous books, papers, and lectures on Wastewater Analysis and Interpretation. He is also co-author of Environmental Laboratory Data Evaluation for Genium Publishing. Speakers will present information on Diesel Range Organics, Emerging Contaminants, Whole Effluent Toxicity, New Technology Efficiencies, Occupational Chemical Exposure, and a Review of the NPDES Program.

Registration, including lunch, will be \$85 for members and \$123 for non-members.

Registration forms and further information will be available at [www.mi-wea.org](http://www.mi-wea.org) or call 517-641-7377.

## MAY 2007

TOXIC CHEMICAL RELEASE INVENTORY ADVANCED COMPUTER TRAINING, VARIOUS LOCATIONS, MICHIGAN. TRI reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), also known as SARA Title III. Facilities in certain industry sectors that meet the criteria must submit reports for listed toxic chemicals and report releases and waste transfers of the chemicals as well as waste management activities. The Michigan SARA Title III Program is offering this half-day session designed for persons familiar with Section 313 reporting. This advanced computer training will provide hands-on use of the USEPA TRI-ME reporting software to determine eligibility and complete the forms. The training will include a discussion of the TRI Assistance Library and report submission through the Web. Attendees will use a problem set and examples in determining eligibility and release and waste management reporting. Reporting changes for 2006 will also be discussed. A full brochure and online registration are available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on "Upcoming DEQ Workshops."

Registration Information Contact: Environmental Assistance Center, 800-662-9278, or E-mail at [deq-ead-env-assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov).

Information Contact: Ruth Borgelt, Environmental Science and Services Division, 517-373-9804, or E-mail at [borgeltr@michigan.gov](mailto:borgeltr@michigan.gov).

<u>Date</u>	<u>Location</u>
5/22/07	Lansing Community College, West Campus, Lansing
5/24/07	VisTaTech at Schoolcraft College, Livonia



## MAY 15-17, 2007

25TH ANNUAL MICHIGAN RECYCLING COALITION CONFERENCE AND BUSINESS EXPO, SHERATON DETROIT NOVI, NOVI, MICHIGAN. Don't miss the opportunity to catch up on emerging recycling issues, meet with colleagues and experts from all over the nation, find out how others are handling the challenges you face. This annual event provides an opportunity for attendees to share technical information on waste management, to discuss common challenges and solutions, and to view the latest products and services. DEQ will be presenting at this conference. For more information, contact Allison Buhs, 517-327-9207, or go to [www.michiganrecycles.org](http://www.michiganrecycles.org).

## MAY 17, 2007

TOXIC CHEMICAL RELEASE INVENTORY (TRI) WORKSHOP – BEGINNERS COURSE, KELLOGG HOTEL & CONFERENCE CENTER, EAST LANSING, MICHIGAN. TRI reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), also known as SARA Title III. Facilities in certain industry sectors that meet the criteria must submit reports for listed toxic chemicals and report releases and waste transfers of the chemicals as well as waste management activities. The U.S. Environmental Protection Agency Region 5 and Michigan SARA Title III Program are partnering to offer this full-day workshop for those who have little or no knowledge of reporting requirements of EPCRA Section 313. This beginner's course will cover the regulation in detail, including reporting changes for 2006, as well as Section 6607 of the Pollution Prevention Act (PPA) of 1990. Attendance is encouraged for facilities that are potentially subject to reporting under Section 313. A full brochure and online registration are available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on "Upcoming DEQ Workshops."

Registration Information Contact: Environmental Assistance Center, 800-662-9278, or E-mail at [deq-ead-env-assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov).

Information Contact: Ruth Borgelt, Environmental Science and Services Division, 517-373-9804, or E-mail at [borgeltr@michigan.gov](mailto:borgeltr@michigan.gov).

## MAY 17, 2007

TOXIC CHEMICAL RELEASE INVENTORY (TRI) WORKSHOP – ADVANCED COURSE, KELLOGG HOTEL & CONFERENCE CENTER, EAST LANSING, MICHIGAN. TRI reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), also known as SARA Title III. Facilities in certain industry sectors that meet the criteria must submit reports for listed toxic chemicals and report releases and waste transfers of the chemicals as well as waste management activities. The U.S. Environmental Protection Agency Region 5 and Michigan SARA Title III Program are partnering to offer this half-day workshop concurrently with the full-day Beginners Course. This advanced course is intended for those who are familiar with the reporting requirements of EPCRA Section 313. A full brochure and online registration are available on the Web at [www.michigan.gov/deqworkshops](http://www.michigan.gov/deqworkshops), click on "Upcoming DEQ Workshops."

Registration Information Contact: Environmental Assistance Center, [www.michiganrecycles.org](http://www.michiganrecycles.org), or E-mail at [deq-ead-env-assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov).

Information Contact: Ruth Borgelt, Environmental Science and Services Division, 517-373-9804, or E-mail at [borgeltr@michigan.gov](mailto:borgeltr@michigan.gov).

## MAY 17, 2007

MICHIGAN CLEAN FLEET CONFERENCE: DRIVING TECHNOLOGIES, FUELS, AND FUNDING FOR CLEANER AIR, NEXTENERGY CENTER, DETROIT. The U.S. Environmental Protection Agency, Michigan Department of Environmental Quality, NextEnergy, and the Michigan Department of Labor and Economic Growth-Energy Office are pleased to present this one-day conference aimed to educate public and private fleet managers,



public officials, trucking companies, school districts, and other stakeholders on the various strategies, fuels, and technologies available in the marketplace to assist fleets in conserving fuel, decreasing emissions, and saving money. There will be networking opportunities with technology vendors, government officials, and fleet managers. For registration and conference details, contact Sue Pinkowski at 313-833-0100 extension 310 or [suep@nextenergy.org](mailto:suep@nextenergy.org).

**JUNE 22-24, 2007**

**MICHIGAN ENERGY FAIR, MANISTEE COUNTY FAIRGROUNDS, ONEKAMA, MICHIGAN.** The Great Lakes Renewable Energy Association (GLREA) is presenting the 2nd Annual Michigan Energy Fair. This three-day event will unite people from throughout Michigan and the Great Lakes region to learn about energy issues and sustainable living. Attendees will have the opportunity to attend educational workshops; meet vendors offering valuable goods, services, and information; eat local food; and hear great live music. DEQ will have an exhibit at this conference. For more information, contact Jennifer Malinowski, 800-434-9788, or E-mail at [Jennifer.malinowski@glrea.org](mailto:Jennifer.malinowski@glrea.org).

<p><i>If you are interested in participating in the development of any Environmental Science and Services Division event, please call <b>Mary Goodhall</b> at 517-241-7968 or E-mail at <a href="mailto:goodhalm@michigan.gov">goodhalm@michigan.gov</a>.</i></p>
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